

DC-8 05/27/17

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Flight Number: 1188

Payload Configuration: CPEX Payload: APR-2, DAWN, YES Dropsonde, HAMSR, MASC, MTHP

Nav Data Collected: Yes

Total Flight Time: 5.3 hours

Comments: This was the first science flight for CPEX. The flight was conducted west southwest of south Florida in the Gulf of Mexico. Flight objectives were a clear air box pattern for calibration and validation of the instruments and demonstrate communications and procedures. Ten of twelve dropsondes were successful. DAWN had temperature problems at the beginning and HAMSR suspected a moisture issue that proved to be temperature issues

Submitted by: Chris Jennison on 06/03/17

Flight Segments:

From:	KFLL	To:	KFLL
Start:	05/27/17 18:02 Z	Finish:	05/27/17 23:24 Z
Flight Time:	5.3 hours		
Log Number:	178011	PI:	Ramesh Kakar
Funding Source:	Ramesh Kakar - NASA - SMD - ESD Weather and Atmospheric Dynamics		
Purpose of Flight:	Science		

Flight Hour Summary:

	178011
Flight Hours Approved in SOFRS	106
Total Used	104.3
Total Remaining	1.7

178011 Flight Reports

Date	Flt #	Purpose ofFlight	Duration	Running Total	Hours Remaining	Miles Flown
05/16/17	1182	Check	1.3	1.3	104.7	
05/17/17	1184	Science	2.6	3.9	102.1	
05/25/17	1187	Ferry	4.5	8.4	97.6	
05/27/17	1188	Science	5.3	13.7	92.3	
05/29/17	1189	Science	5.5	19.2	86.8	
05/31/17	1190	Science	6	25.2	80.8	
06/01/17	1191	Science	5.7	30.9	75.1	
06/02/17	1192	Science	6.2	37.1	68.9	
06/06/17	1193	Science	3.9	41	65	
06/10/17	1194	Science	5.3	46.3	59.7	
06/11/17	1195	Science	6.4	52.7	53.3	
06/15/17	1196	Science	4.7	57.4	48.6	
06/16/17	1197	Science	5.3	62.7	43.3	
06/17/17 - 06/18/17	1198	Science	7.1	69.8	36.2	
06/19/17	1199	Science	5.9	75.7	30.3	
06/20/17	1200	Science	5.7	81.4	24.6	
06/21/17	1201	Science	5.4	86.8	19.2	
06/23/17	1202	Science	4.8	91.6	14.4	
06/24/17	1203	Science	5.8	97.4	8.6	
06/26/17	1204	Science	1.9	99.3	6.7	
06/28/17	1205	Science	5	104.3	1.7	

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

Page Last Updated: April 22, 2017

Page Editor: Brad Bulger

NASA Official: Bruce A. Tagg

Source URL: <https://airbornescience.nasa.gov/node/50371#comment-0>